EVALUATION REPORT

Chevron Station #94306 (Oak Grove Chevron)
795 Oak Grove Road
Concord, CA 94518
GDF#7726
Application #14585

BACKGROUND

Charles Bittle of Chevron Products Company submitted this application to increase the throughput limit at G#7726. No hardware modification has been proposed at this time. This station is currently permitted at 2.8 million gallons per year (condition #10200). The baseline is 2.8 million gallons per year under A/N 10035.

The current equipment configuration at this site is the following:

Two (2) 10,000 gallon and One (1) 12,000 gallon underground gasoline tanks,
Thirty (30) single product Emco Wheaton A4005 nozzles,
Six (6) Dresser Wayne V390 Dispensers (4 two-sided and 2 one-sided),
Phase I Vapor Recovery is a Two-Point system – Phil-Tite Enhanced Vapor Recovery certified,
Phase II Vapor Recovery is a Balance system.

A risk screen performed for this application indicates that an increase of 12.9 million gallons per year throughput is acceptable under the District's Risk Management Policy and complies with District Regulation 2, Rule 5, Section 302, while total permitted emissions will be less than 10 tons per year, thus not triggering offsets per 2-2-302. Accordingly, this station will now be conditioned to 15.7 million gallons per year pursuant to condition #13607.

This station is within 1,000 feet of Ygnacio Valley High School and within ¼ mile of Saint Francis of Assisi School and De La Salle High School, triggering the Public Notice requirements of the Waters Bill.

Before the throughput increase can be approved, a 30-day public comment period will be held. A notice describing the project and announcing the public comment period will be mailed to the parents of students attending the above school and businesses and people living within 1,000 feet of the station. The cost of preparing and distributing this notice will be borne by the applicant.

EMISSION CALCULATIONS

Emission factors are taken from the Gasoline Service Station Industry-wide Risk Assessment Guidelines developed by the California Air Pollution Officers Association's (CAPCOA) Toxics Committee. Emissions of Precursor Organic Compound (POC) include emissions from loading, breathing, refueling and spillage. The annual gasoline throughput increase of 12.9 million gallons per year is based on the results of the Air Toxics Risk Screening.

Emissions increase:	(12.9 million gal/yr)(1.27 lb/1000 gal)	= 16,383 lb/yr
		= 44.88 lb/day
		= 8.19 TPY

Benzene emissions increase: (12.9 million gal/yr)(6.75 lbs Benzene/million gallons)
= 87.08 lb/yr
= .24 lb/day
= .044 TPY

NEW SOURCE REVIEW

This station will emit more than 10 lbs of VOC in a single day. Thus the BACT requirement of Regulation 2-2-301 is triggered. BACT for GDFs is considered to be the use of CARB-certified Phase-I and Phase-II vapor recovery equipment. State law prohibits the District from requiring vapor recovery equipment that is not CARB-certified. This facility will comply with this requirement.

Emissions from this station will remain less than 10 tons per year. Per Regulation 2-2-302, offsets are not required.

TBACT

The increased risk from this project exceeds 1 per million, triggering the use of TBACT equipment per Regulation 2-5-301. TBACT for GDFs is considered to be the use of CARB-certified Phase-I and Phase-II vapor recovery equipment. State law prohibits the District from requiring vapor recovery equipment that is not CARB-certified.

COMPLIANCE

A. **Permits – General Requirements, Regulation 2, Rule 1**

1. **California Environmental Quality ACT (CEQA), Ministerial Projects, Regulation 2-1-311**: This project is considered to be ministerial under Regulation 2-1-311 and therefore is not subject to CEQA review. The engineering review for this project requires only the application of standard permit conditions and standard emission factors in accordance with Permit Handbook Chapter 2.3.and therefore is not discretionary as defined by CEQA.

2. **Public Notice, Schools, Regulation 2-1-412**: The facility is located within 1000 feet of the outer boundary of Ygnacio Valley High School, and within ¼ mile of Saint Francis of Assisi School and De La Salle High School. It is therefore subject to the public notification requirements of Regulation 2-1-412. A public notice will be sent to all parents of students of the above-mentioned school and all residents within 1000 feet of the facility. There will be a 30-day public comment period.

B. **Permits – New Source Review, Regulation 2, Rule 2**

1. **Best Available Control Technology (BACT), Regulation 2-2-301**: BACT is triggered because the facility will emit more than 10 lbs of VOC per single day.

2. **Offsets, Regulation 2-2-302**: Because the total facility emissions will be less than 10 tons per year, the facility is not required to provide offsets.

C. **Permits – New Source Review of Toxic Air Contaminants, Regulation 2, Rule 5**

1. **Best Available Control Technology for Toxics(TBACT), Regulation 2-5-301**: TBACT is triggered since the increased cancer risk from this project exceeds 1 in one million. The facility complies with TBACT for GDFs.

2. **Project Risk Requirement, Regulation 2-5-302**: The increased cancer risk does not exceed 10 in one million, the chronic and acute hazard indexes do not exceed 1, and therefore the project complies with the project risk requirement.

D. **Fees – Regulation 3**

All applicable fees have been paid.

E. **Gasoline Dispensing Facilities, Regulation 8, Rule 7**

The facility shall comply with Regulation 8-7-301 and 302 (Phase I and Phase II) and CARB Executive Orders VR-101-D, G-70-17-AD and G-70-52-AM.

RECOMMENDATION

I recommend that a Change of Conditions be issued to Chevron Station #94306 (Oak Grove Chevron), located at 795 Oak Grove Rd, Concord CA 94518.

By: _____ Date: _____
John Foster 7/14/06
AQ Specialist I